GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:4552
ANSWERED ON:23.08.2001
DEVELOPMENT OF NCES
DILIP KUMAR MANSUKHLAL GANDHI

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the outlay sanctioned for development of non-conventional energy sources in the country and specially in Maharashtra during 2001-2002;

(b) the details of new sources to be developed in Maharashtra during the current year district-wise;

(c) whether the Government propose to offer some incentives / monetary benefits to individuals and organizations in case they offer help in developing such energy sources in Maharashtra; and

(d) if so, the details thereof and if not, the reasons therefor?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE), (SHRI M. KANNAPPAN)

(a)&(b): A total of Rs.339.25 crore has been allocated for development of non-conventional energy sources in the country including the State of Maharashtra for 2001-2002. The non-conventional energy programmes are being implemented by the State Government Departments/ State Nodal Agencies in various districts, depending on their needs and available potential.The annual targets of 10,000 biogas plants, 86,000 improved chulhas, 100 Solar Street Lighting Systems, 180 Solar Home Lighting Systems and 1500 Solar Lanterns have been fixed for the year 2001-02 for the State of Maharashtra.In addition, other programmes based on non-conventional energy sources such as wind, small hydro, biomass and solar are also being taken up depending upon techno-economic feasibility and availability of financial resources.

(c)&(d): The Ministry is already providing various fiscal, financial and promotional incentives such as central subsidy, 100% accelerated depreciation, concessional custom duty, excise duty/ sales tax exemptions, soft term loans from Indian Renewable Energy Development Agency Ltd. (IREDA), conducive policies for wheeling, buy-back, third party sale of renewable energy power etc. to attract private sector participation and to encourage individuals and organizations to use various renewable energy systems / devices. The details of financial incentives being provided by the Ministry are given in the Annexure.

Annexure

Annexure referred to in reply to parts (c) and (d) of Lok Sabha Unstarred Question No.4552 for 23.8.2001 regarding Development of NCES

Financial incentives provided under major non-conventional energy programmes

S.No. Name of Programme Details of subsidies

1. Family type biogas plants Rs. 2300 per plant for special category of
   beneficiaries such as SC / ST & weaker sections
   Rs. 3500 for hilly and high focus areas
   Rs. 11,700 per plant for North East Region & Sikkim
   Rs. 0.44 to Rs. 8.00 lakhs per plant
   Community / Institutional /Night Soil based plant
   Rs.1800 for general category

2. Improved Chulha

- Durable Fixed Chulha with chimney Rs.80 for general category
  Rs.270 for North East Region and Sikkim

- Portable Chulha Rs.50 per chulha for general category
  Rs.75 for Islands, hilly and desert areas
  Rs.135 for North East Region and Sikkim

- High Altitude Chulha Maximum upto Rs.450 for North East Region and Sikkim and maximum upto Rs.250 for other States

3. Solar Photovoltaic Programme
- Solar Lanterns Rs.1300 per system for general category
  Rs.3000 for North East Region and Sikkim
- Solar home lighting systems and street lighting systems Rs.5500 per system for general category
  Rs.10,000 per system for North East Region and Sikkim

- Solar street lighting systems Rs. 11000 per system for general category
  Rs.20,000 for North East Region and Sikkim

- Solar Photovoltaic Power Plants Rs.1.80 lakhs / kWp of PV array capacity for general category
  Rs.3.50 lakh /kWp of PV array capacity for North East Region and Sikkim

4. SPV Water Pumping Programme
Capital subsidy Rs. 110 /Watt of SPV array with max. Rs.2.50 lakhs/system.

Interest subsidy 2.5% to 5% max. upto 90% system cost

5. Water Pumping Wind Mills Rs. 20,000 to 45,000 per system

6. Small aero-generators and hybrid systems Rs. 2.00 lakhs per kilo-watt or 50% of ex-works cost whichever is less

7. Biomass Gasifier 30% to 60% for general States
   90% for North East Region and Sikkim
   10% of higher rate of subsidy for SC / ST and weaker sections.

8. Small Hydro Programme Capital subsidy

Upto 1 MW Equipment cost +50% of civil cost upto Rs.30,000 to Rs.60,000 per MW

Above 1 MW to 5 MW Equipment cost +25% of civil cost upto Rs.1.50 crores to Rs.4.50 crores per MW

Above 5 MW to 15 MW Equipment cost +25% of civil cost upto Rs.7.50 crores to Rs.22.50 crores per project

Interest subsidy 1.5% to 7.5%

9 Wind Power Upto 60% of equipment cost for demonstration projects
10 SPV Power (grid connected) Upto Rs. 2 crores / 100 KW
11 Biomass Power Capital subsidy

a. Maximum exportable Power 45 MW

60 bar and above Rs.35 lakh per MW of surplus power limited to Rs.31.50 crores per project

80 bar and above Rs.45 lakh per MW of surplus power limited to Rs.40.50 crores per project

b. Maximum exportable power 9MW

60 bar and above Rs.35 lakh per MW of surplus power limited to Rs.6.30 crores per project

80 bar and above Rs.45 lakh per MW of surplus power limited to Rs.8.10 crores per project

Interest subsidy 1% to 3%

12 Power from urban & Industrial Wastes Capital subsidy Upto 50% subject to maximum of Rs.3 crores /MW for innovative demonstration projects

Interest subsidy To reduce interest rate upto 7.5%

MW = Megawatt. KWp = Kilo watt peak. KW = Kilowatt. PV= Photovoltaic